



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

KODIGEHALLI SUB DIVISOIN

**Name of the Work : Detailed Estimate for the work of Providing
Asphalting to Roads and Improvement of Drains
inBhadrappalayout Maruthinagara Sarroundings in
ward no 8 (Kodigehalli) of Kodigehalli Sub Division**

Estimate Cost : 20.00 Lakhs

YELAHANKA ZONE

2000000.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 125/ Item No. 19.1/ PWD SR 2013-14	cum							
	Desilting of drains		2	100.00	0.45	0.30	27.00		
			2	40.00	0.45	0.30	10.80		
			2	95.00	0.45	0.30	25.65		
			2	70.00	0.45	0.30	18.90		
			2	115.00	0.45	0.30	31.05		
			2	90.00	0.45	0.30	24.30		
			2	100.00	0.45	0.30	27.00		
			2	85.00	0.45	0.30	22.95		
			1	43.00	0.45	0.30	5.81		
	Road Formation		1	100.00	4.50	0.15	67.50		
			1	40.00	5.00	0.15	30.00		
			1	95.00	4.50	0.15	64.13		
			1	70.00	4.50	0.15	47.25		
			1	115.00	5.00	0.15	86.25		
			1	90.00	5.00	0.15	67.50		
			1	100.00	4.50	0.15	67.50		
			1	85.00	5.00	0.15	63.75		
			1	43.00	5.00	0.15	32.25		
							719.58	65.88	47406.00
	Basic Rate	61.00	/						
	Area Weightage @ 8%	4.88	/						
	Total	65.88	/						
2	KSRB 100-1 Loading and unloading of stone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumping turning for return trip excluding time for hauled and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2013-14)	cum							
	Vide Item No. 2						(719.58) Limited to 617	78.24 ✓	(56296.00) 48270
	Basic Rate for loading and unloading	62.20	/						

	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24	✓						
		72.44	✓						
	Area Weightage @ 8%	5.80	✓						
	Total	78.24	✓						
3	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2013-14	Sqm							
		2	100.00		1.35	270.00			
		2	40.00		1.35	108.00			
		2	95.00		1.35	256.50			
		2	70.00		1.35	189.00			
		2	115.00		1.35	310.50			
		2	90.00		1.35	243.00			
		2	100.00		1.35	270.00			
		2	85.00		1.35	229.50			
		1	43.00		1.35	58.05			
						1934.55			
	deduct missing slab qty 25%					483.64	✓		
						1450.91	50.11	72708.13	
	Basic Rate	46.40	✓						
	Area Weightage @ 8%	3.71	✓						
	Total	50.11	✓						
4	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 28/ Item No. 5.33/ PWD SR 2013-14	Sqm							
		same as item no 3				1450.91	✓		
						1450.91	70.04	101619.01	
	Basic Rate	64.85	✓						
	Area Weightage @ 8%	5.19	✓						
	Total	70.04	✓						
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete Page No. 28/ Item No. 5.31.1/ PWD SR 2013-14	Sqm							
	missing qty					483.64	✓		
						483.64	343.44	166100.46	
	Basic Rate	318.00	✓						
	Area Weightage @ 8%	25.44	✓						
	Total	343.44	✓						
6	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 166/ Item No. 20.18/ PWD SR 2013-14	cum							

			1	100.00	5.00	0.15	75.00		
			1	40.00	5.00	0.15	30.00		
			1	95.00	4.50	0.15	64.13		
			1	70.00	4.50	0.15	47.25		
			1	115.00	5.00	0.15	86.25		
			1	90.00	5.00	0.15	67.50		
			1	100.00	4.50	0.15	67.50		
			1	85.00	5.00	0.15	63.75		
			1	43.00	5.00	0.15	32.25		
							533.63	1121.04	598215.00
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	1121.04							
7	KSRRB M500-6: providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, No. 171/ Item No. 21.6/ PWD SR 2013-14	sqm							
			1	100.00	5.00		500.00		
			1	40.00	5.00		200.00		
			1	95.00	4.50		427.50		
			1	70.00	4.50		315.00		
			1	115.00	5.00		575.00		
			1	90.00	5.00		450.00		
			1	100.00	4.50		450.00		
			1	85.00	5.00		425.00		
			1	43.00	5.00		215.00		
							3557.50	44.28	157526.00
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	44.28							
8	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing and average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. P.No. 174/ Item No. 21.21/ PWD SR.2013-14	cum							
			1	100.00	5.00	0.025	12.50		
			1	40.00	5.00	0.025	5.00		
			1	95.00	4.50	0.025	10.69		
			1	70.00	4.50	0.025	7.88		
			1	115.00	5.00	0.025	14.38		
			1	90.00	5.00	0.025	11.25		
			1	100.00	4.50	0.025	11.25		
			1	85.00	5.00	0.025	10.63		

			1	43.00	5.00	0.025	5.38	✓	
							88.94	8859.24	787919.00
	Basic Rate	8203.00	✓						
	Area Weightage @ 8%	656.24	✓						
	Total	8859.24	✓						20000
9	Quality control charges	1.1							12000.00
10	Miscellaneous charges							235.62	210.40
								Total	2000000.00
(Rupees Twenty Lakhs Only)									

CERTIFICATE

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per C.S.R. of 2013-14.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore

Executive Engineer
Byatarayanapura Division
Bangalore

Technical Sanction for Rs. 20.00 lakhs
Twenty lakhs only
P-1771
 Registered
 to collect the cost of the work
 No. EE/BTP/128/13-14 Dt. 29/10/13
 HSP
 AENE
 EE (BTP.DN.)

ADMINISTRATIVELY SANCTIONED FOR Rs. 20.00 lakhs

Rupees Twenty lakhs only

Under P-1771

Registered as EE () No. 3...9...

subject to conditions contained in

enclosed memo TC/42/342/13-14

Dt. 30/10/13 Estimate A Sanctioned

No. _____

Dated _____

30/10/13
 Joint Commissioner
 (Yelahanka Zone)